

Engineering &amp; Technical

Profesionales con experiencia

# Mechanical Design Engineer

Full Time - Integrated Assemblies - Motherson Sequencing and Assembly Services (MSAS) - Puebla, Mexico

En Motherson, estamos comprometidos a crear empleos a largo plazo y a promover carreras profesionales globales. Somos una empresa destacada especialista global diversificada en diseño, ingeniería, fabricación, ensamblaje y logística, destacada en la lista de las Mejores Empresas del Mundo de TIME, que ofrece soluciones de sistema completo a clientes de diversas industrias. Nos esforzamos por ser un socio de industrialización de confianza y un empleador que fomenta un lugar de trabajo diverso e inclusivo, centrado en la innovación, la calidad y la sostenibilidad.

La división de Montajes integrados es líder en innovación en automoción, especializada en montaje de módulos de alta gama e integración de módulos de salpicadero. Trabajamos con el cliente para brindar soluciones de vanguardia compatibles con la electrificación. Trabaje con nosotros y con tecnología avanzada y dé forma al futuro de la innovación en automoción.

## Su tarea

- Develop 2D/3D CAD models and detailed drawings for automation cells and mechanical systems using SolidWorks, CATIA, AutoCAD.
- Design and integrate mechanical systems, assemblies, jigs, fixtures, and automation for manufacturing and assembly processes.
- Perform simulation, analysis, testing, and validation to ensure performance, quality, compliance, and KPIs (OEE, cycle time, cost).
- Collaborate with cross functional teams (design, production, quality) to support system integration and product development.
- Ensure design for manufacturability, support process planning, and optimize assemblies using robots, AGVs, lines, karakuri.
- Prepare, release, and maintain engineering documentation (drawings, BOMs, blueprints, process sheets) and design records.
- Support NPI, troubleshooting, supplier selection, standards compliance (UL), and service for existing production cells.

## Perfil deseado

- Bachelor's degree in Mechanical Engineering
- 5-10+ years in mechanical design, product engineering, or manufacturing
- Experience designing, building, and implementing automation and robotic cells
- Strong mechanical design, materials, GD&T, and tolerance analysis knowledge
- Proficient in CAD (SolidWorks, CATIA, AutoCAD) and simulation/validation
- Knowledge of CNC machining, tooling, assembly processes, system integration, lean methods, and advanced automation systems
- Occasional travel required

## Qué ofrecemos

- A pleasant working atmosphere, with good career opportunities.
- Build knowledge with varied and exciting assignments.
- We show our commitment to our people via the following values:

Interest for each other: We act with empathy and care about each other and our counterparts.

Togetherness: We work together collaboratively and selflessly.

Trust: We say what we mean, keep our promises, and treat others with respect.

Respect: We respect and value people of all backgrounds.

Enthusiasm: We are curious, ambitious, passionate, humble, and life-long learners.